

FIG. 1

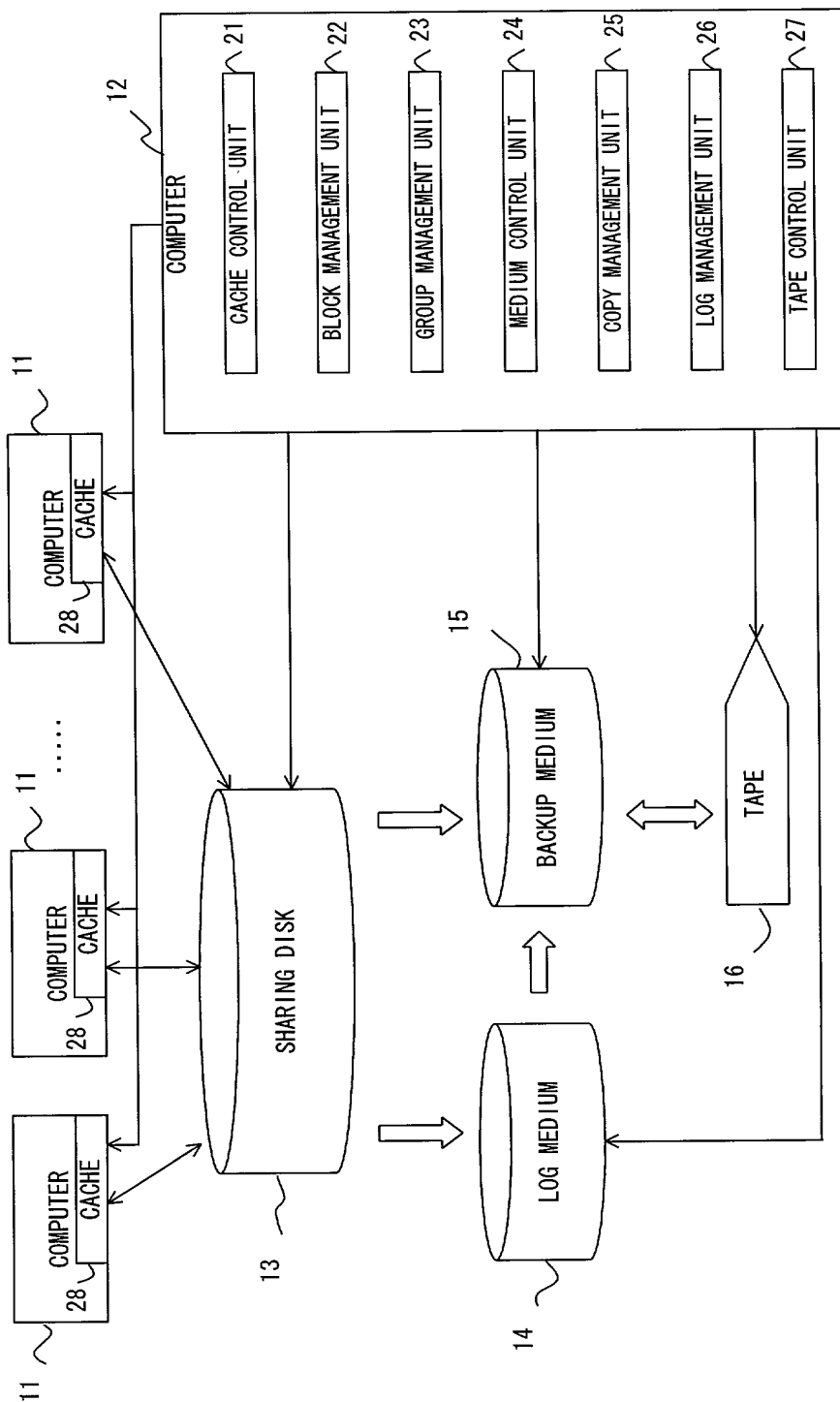


FIG. 2

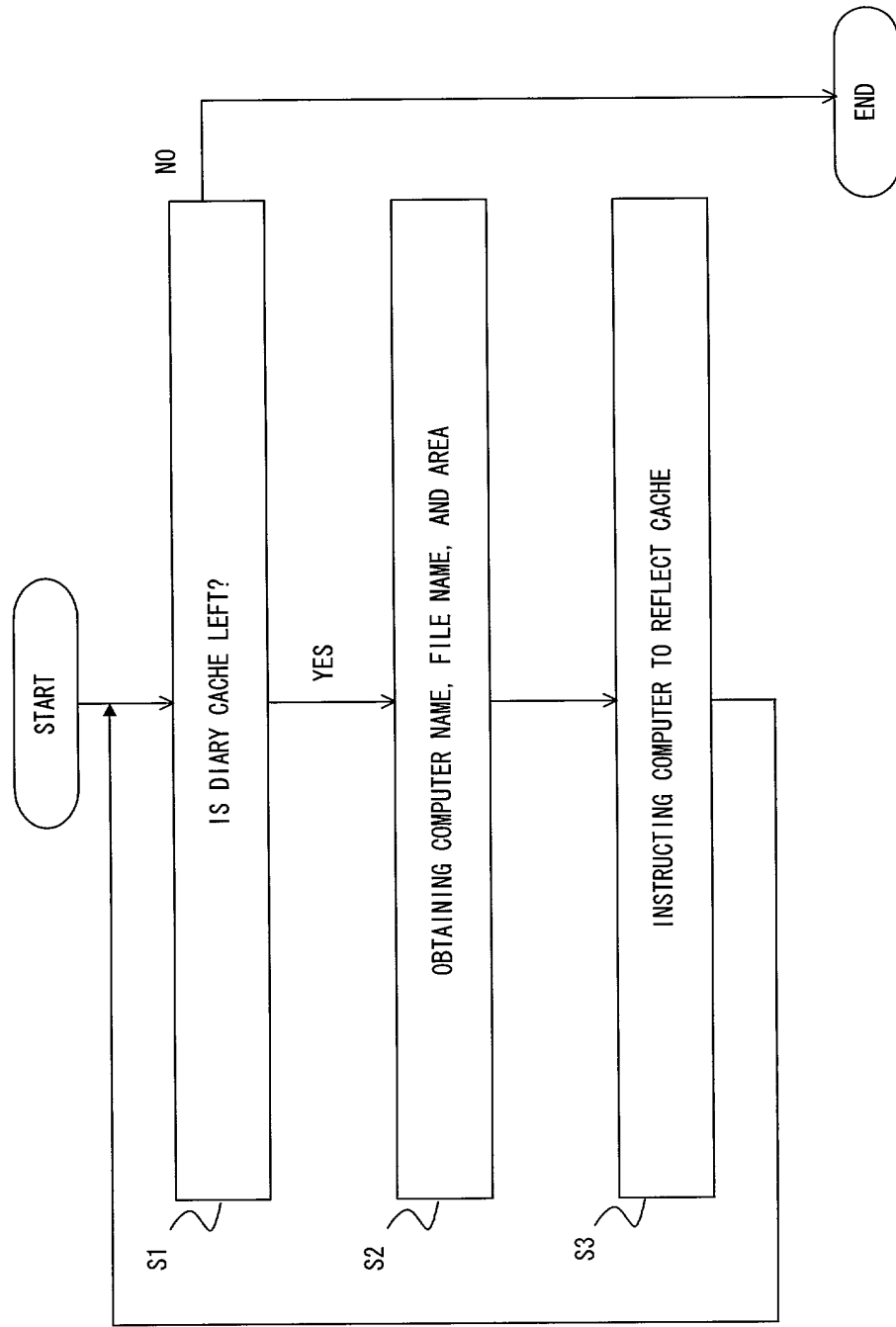


FIG. 3

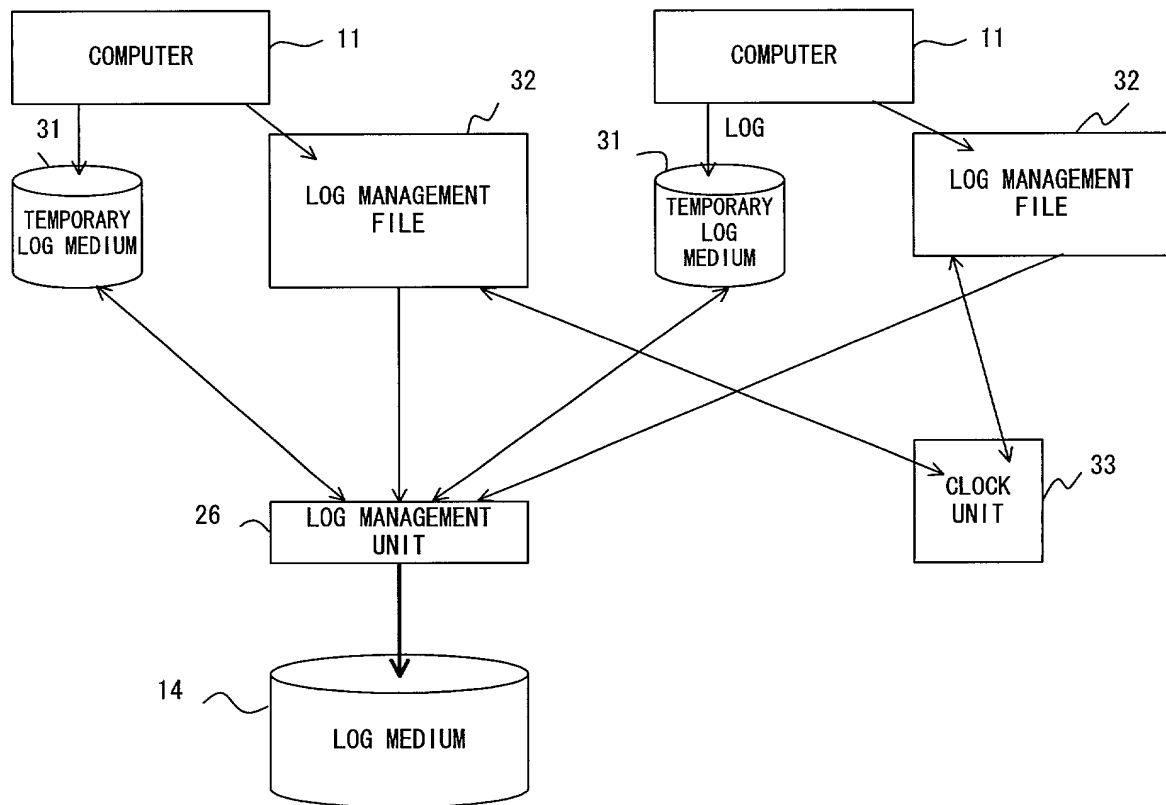


FIG. 4

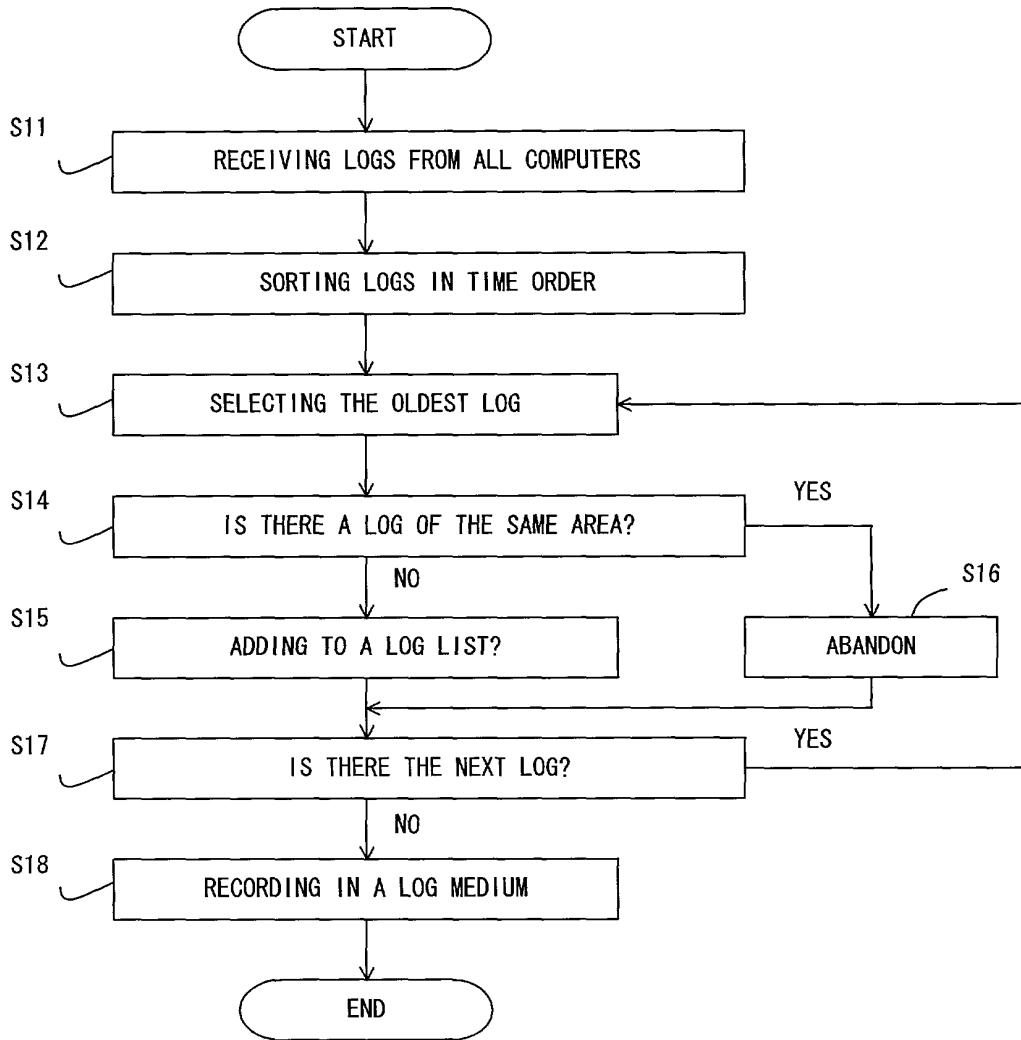


FIG. 5

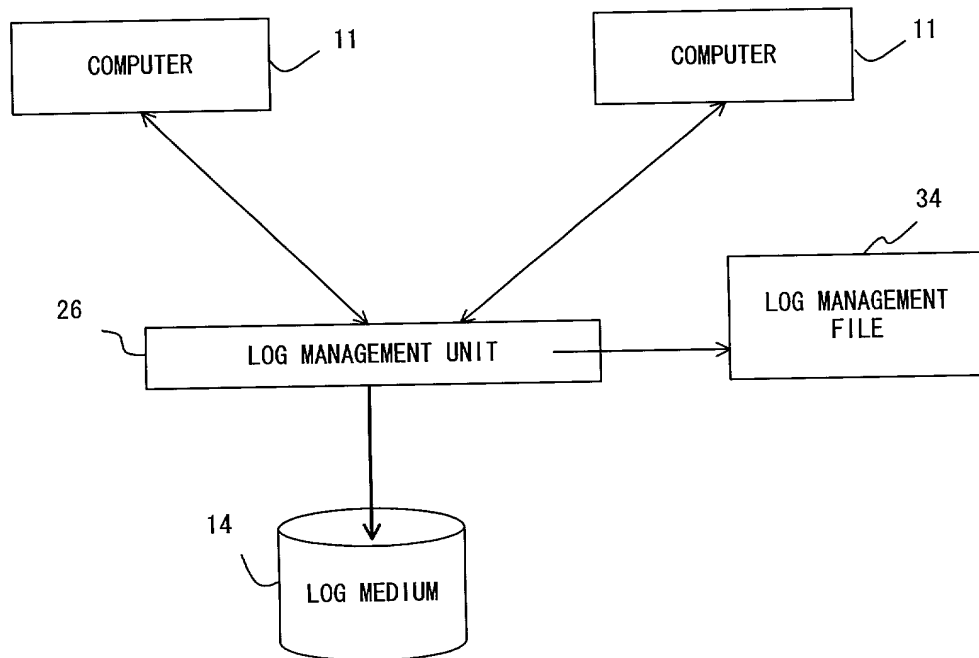


FIG. 6

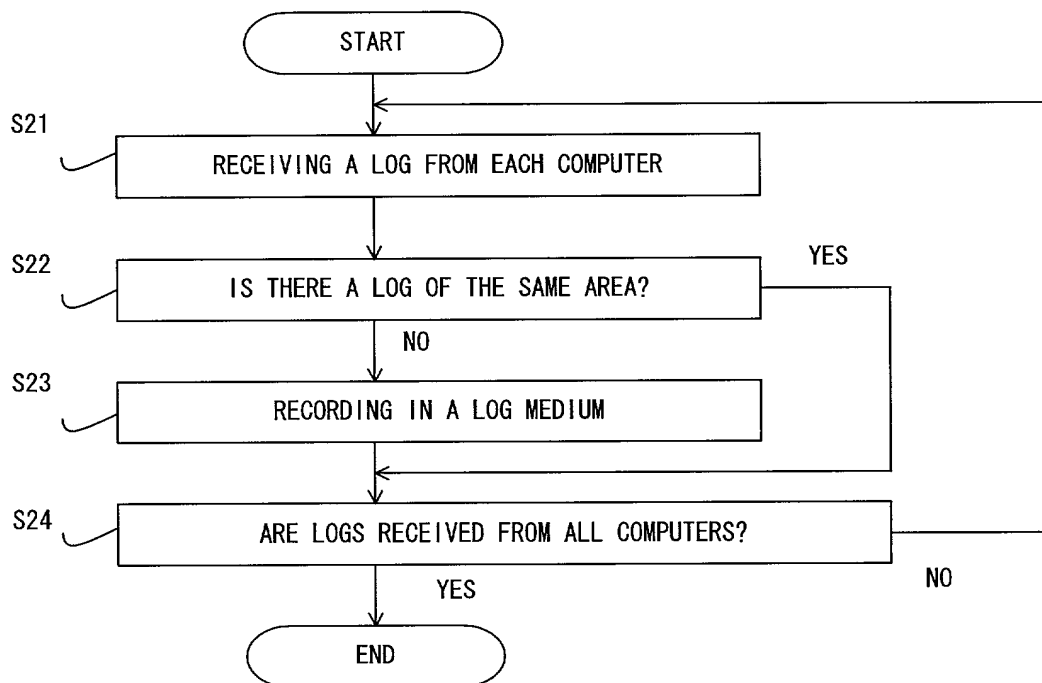


FIG. 7

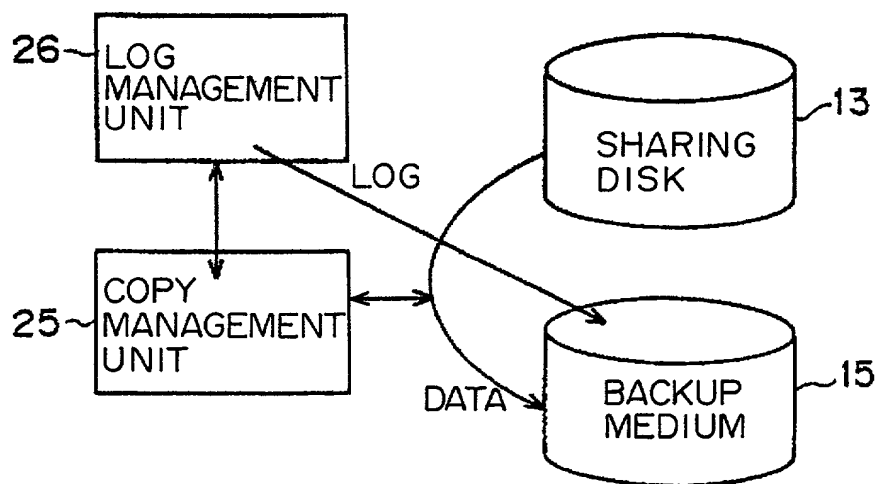


FIG. 8

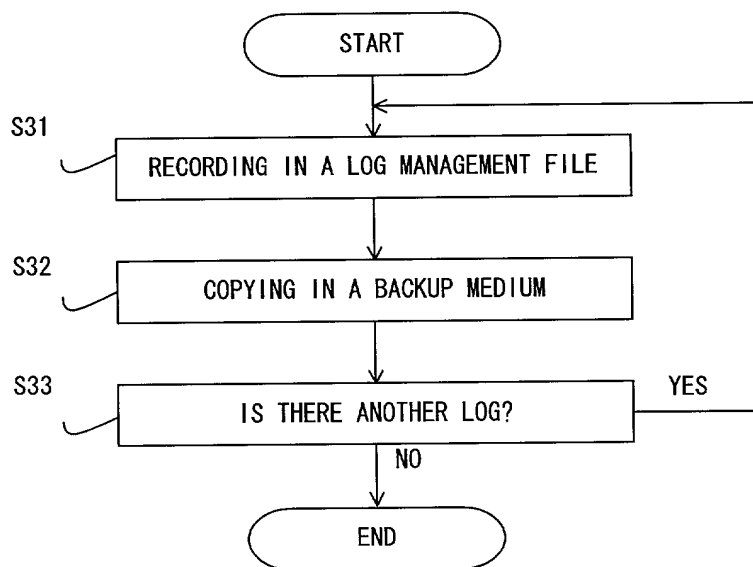


FIG. 9

DEVICE NAME	ORIGINAL ADDRESS	LENGTH
α	#a	2
β	#b	1
.	.	.
.	.	.
.	.	.
.	.	.

F I G. 1 0

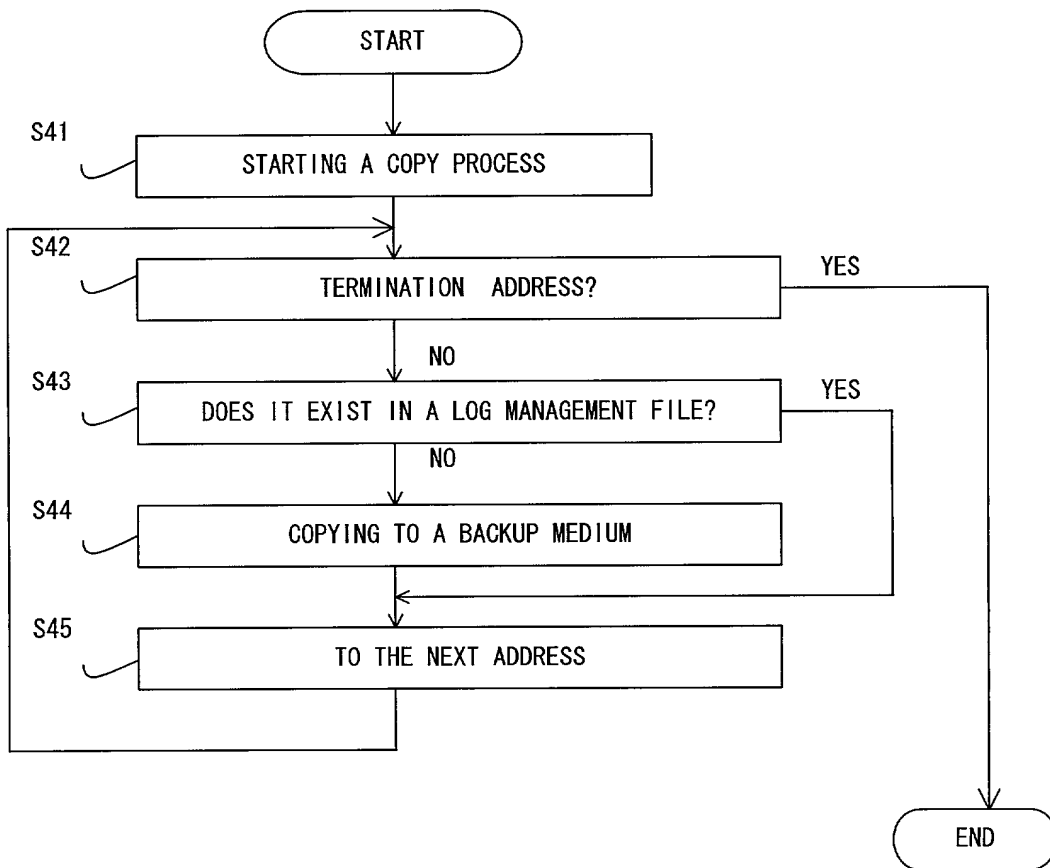


FIG. 11

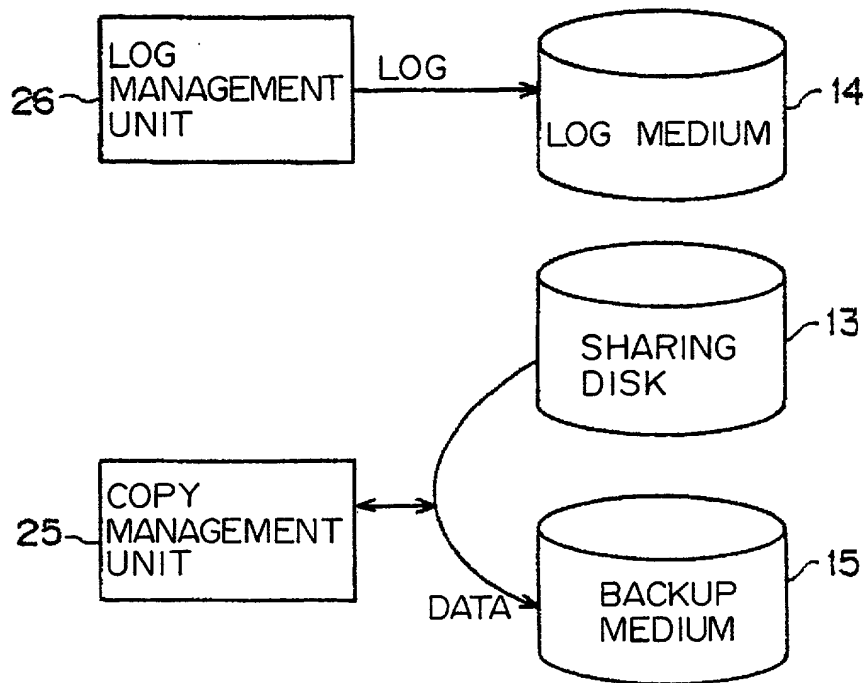


FIG. 12

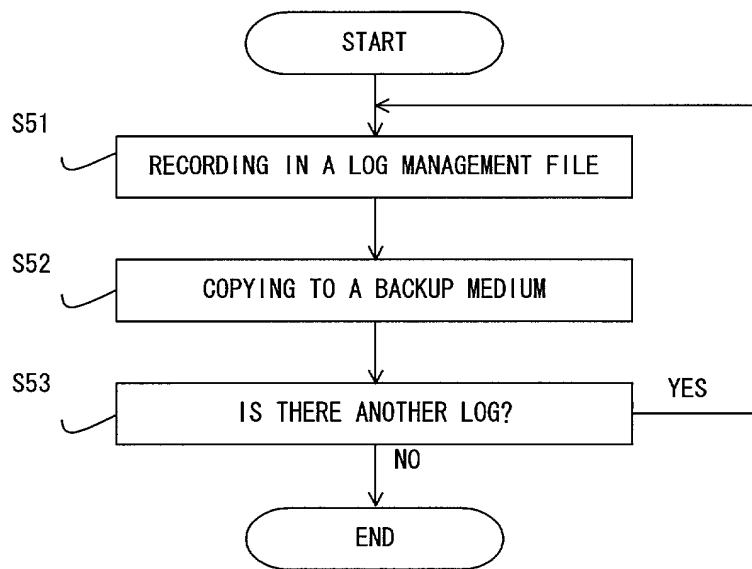


FIG. 13

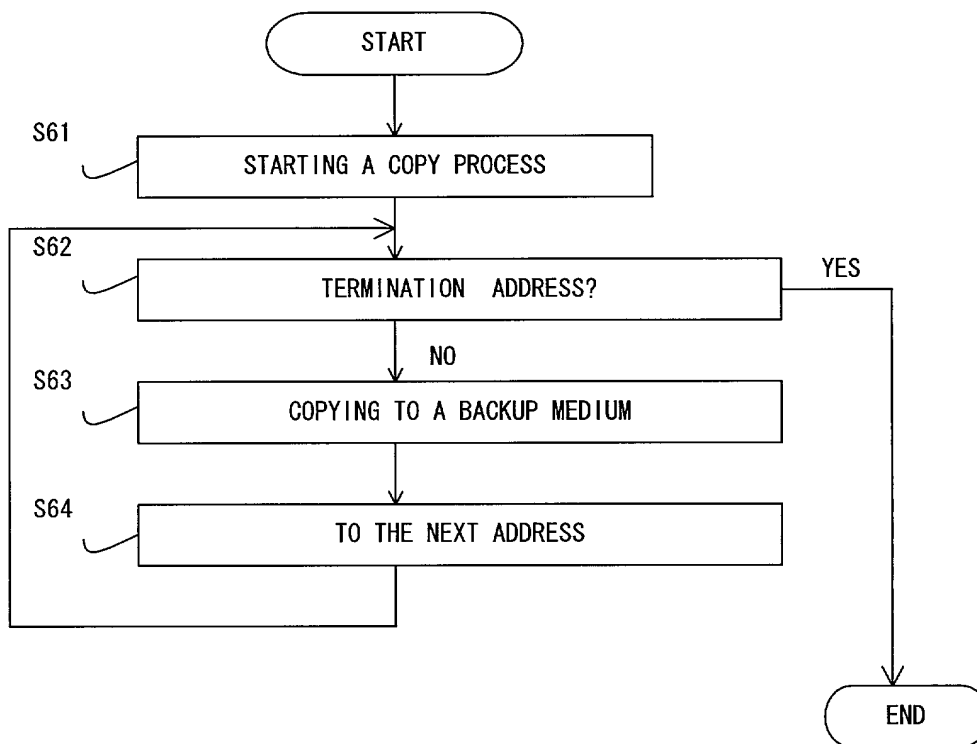


FIG. 14

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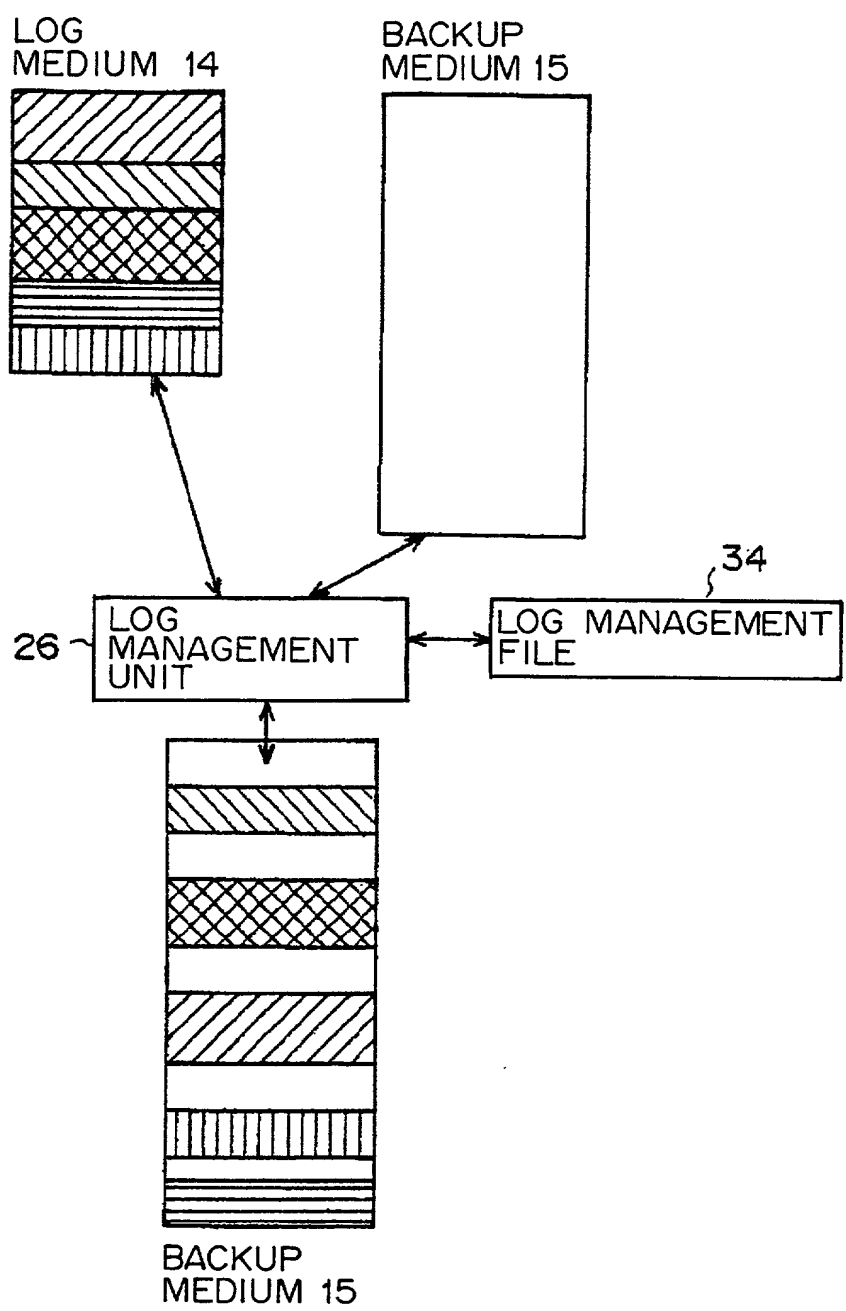


FIG. 15

ORIGINAL ADDRESS	LENGTH	CONTENTS OF LOG
#a	1	XXXX
#b	3	XXXX
.	.	.
.	.	.
.	.	.
.	.	.

F I G. 1 6

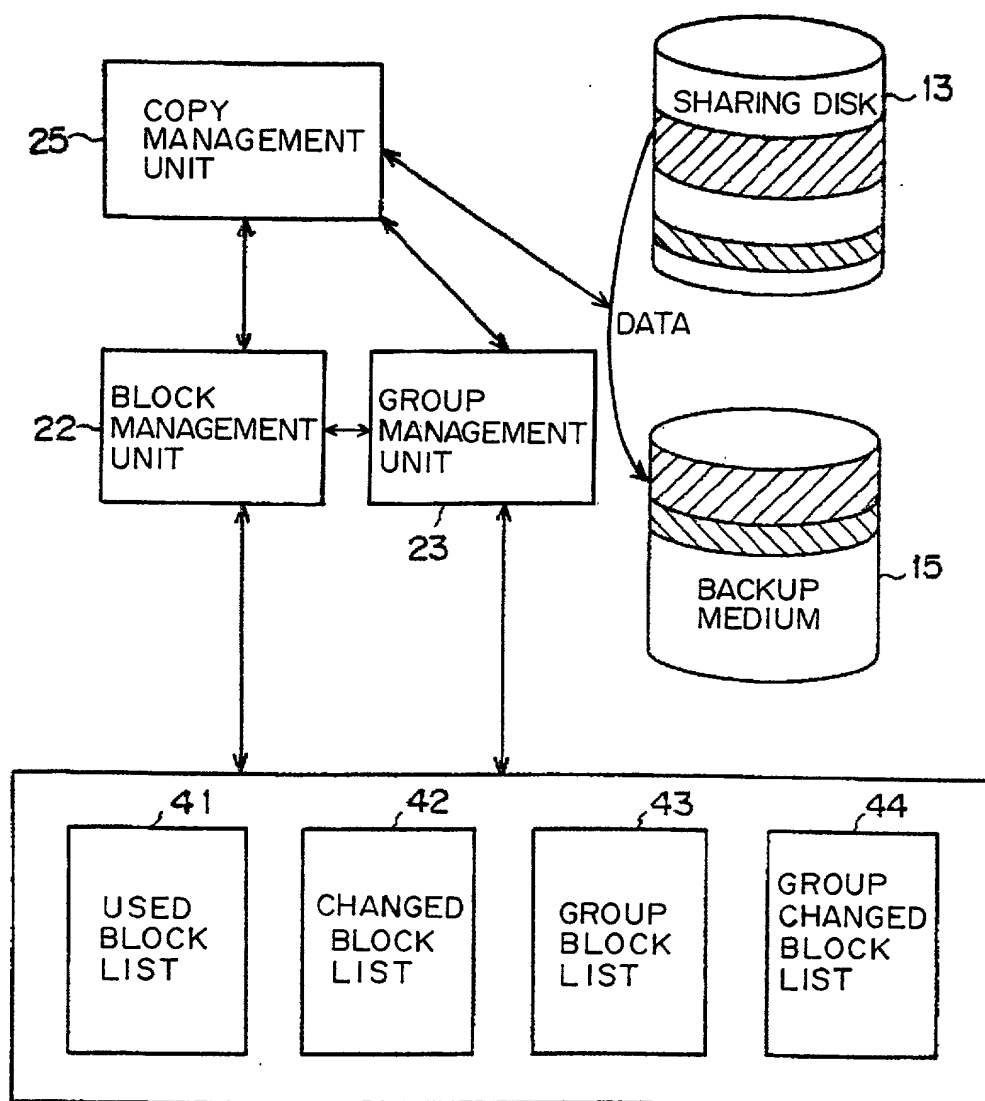


FIG. 17

FLAG	BLOCK NO.
○	1
×	2
○	3
○	4
×	5
×	6
⋮	⋮

F I G. 1 8

BLOCK NO.
2
5
6
⋮

FIG. 19

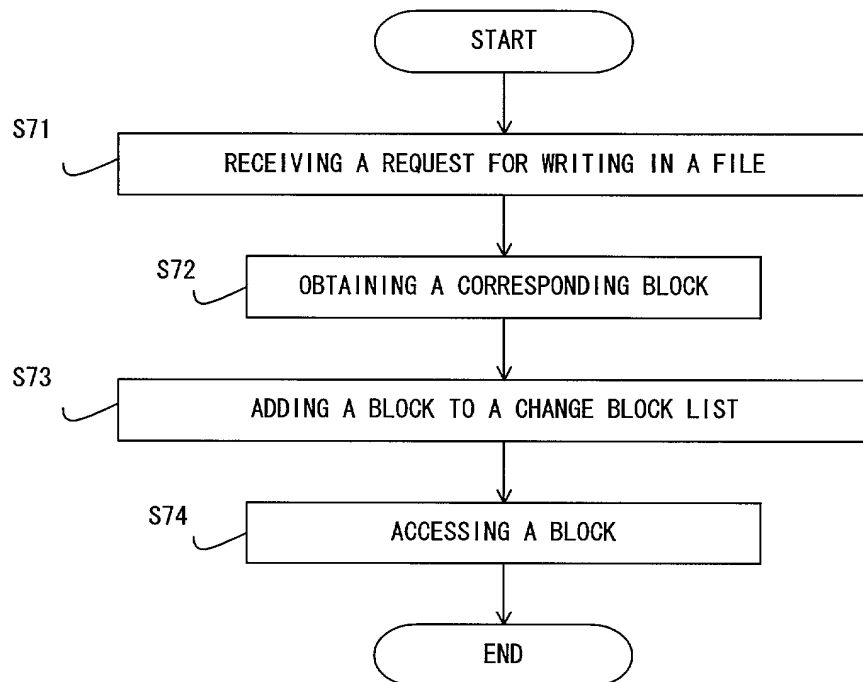


FIG. 20

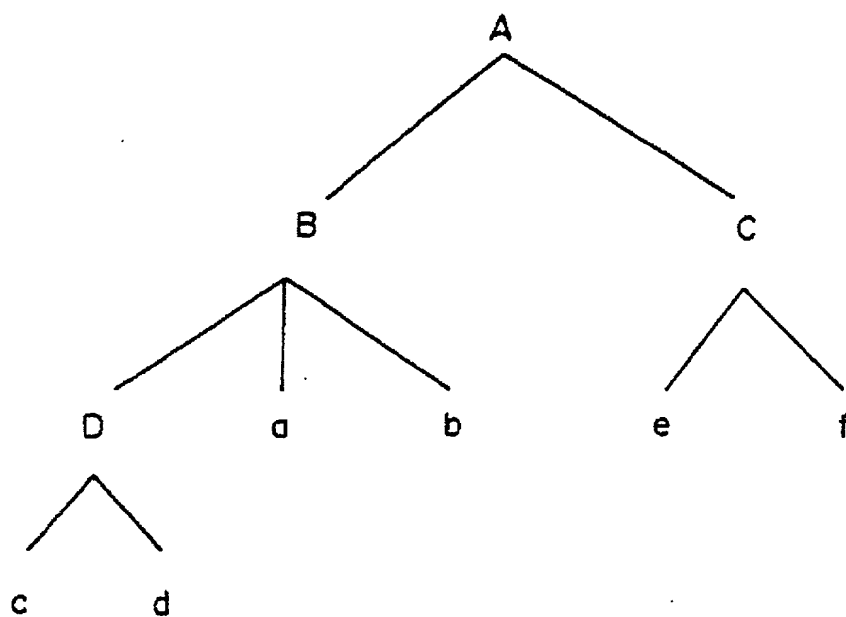


FIG. 21

dir_A/*
dir_C/*
X dir_D/file_d

FIG. 22

dir_X/file_a
dir_Y/file_b
dir_Z/*
X dir_Z/file_c

FIG. 23

blockno 1, 2, 3

blockno 8, 9

blockno 123

blockno 12567, 12568

blockno 35670

FIG. 24

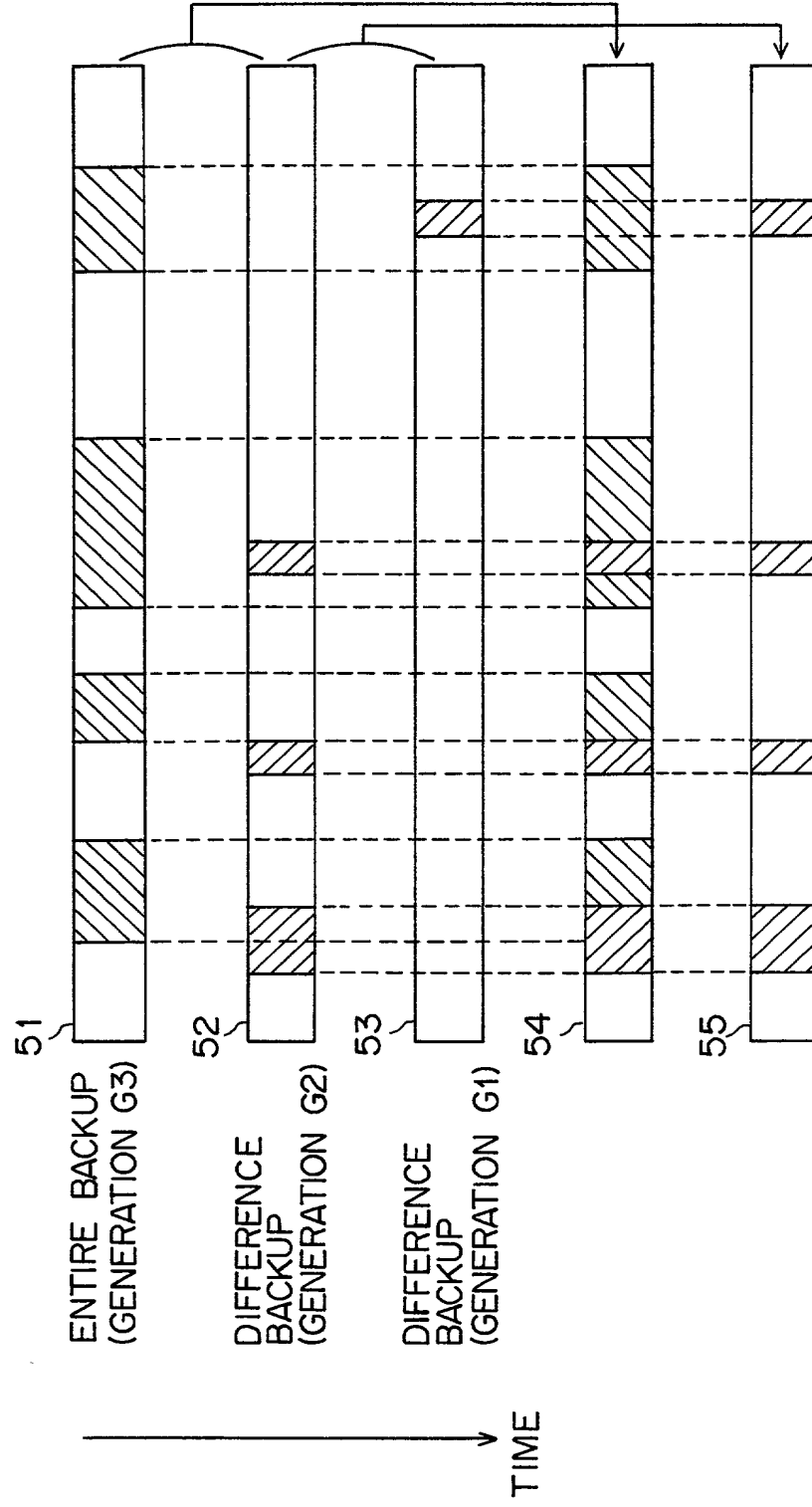


FIG. 25

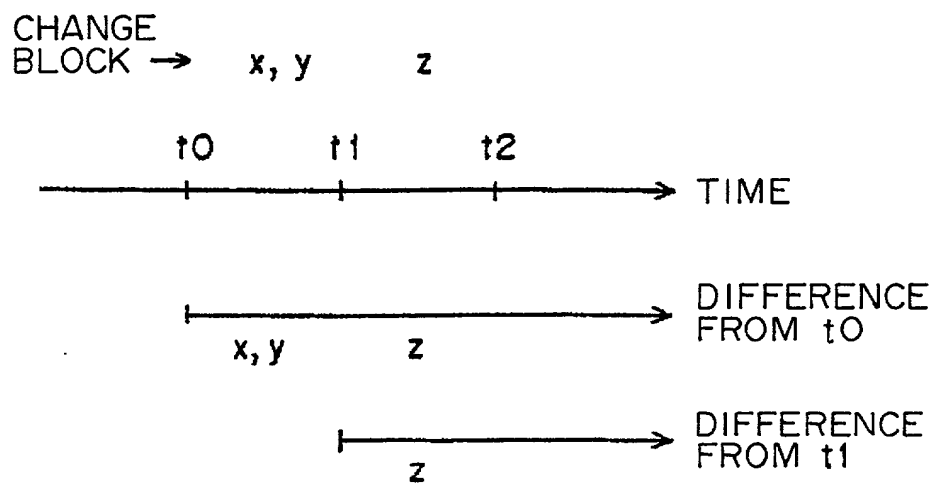


FIG. 26

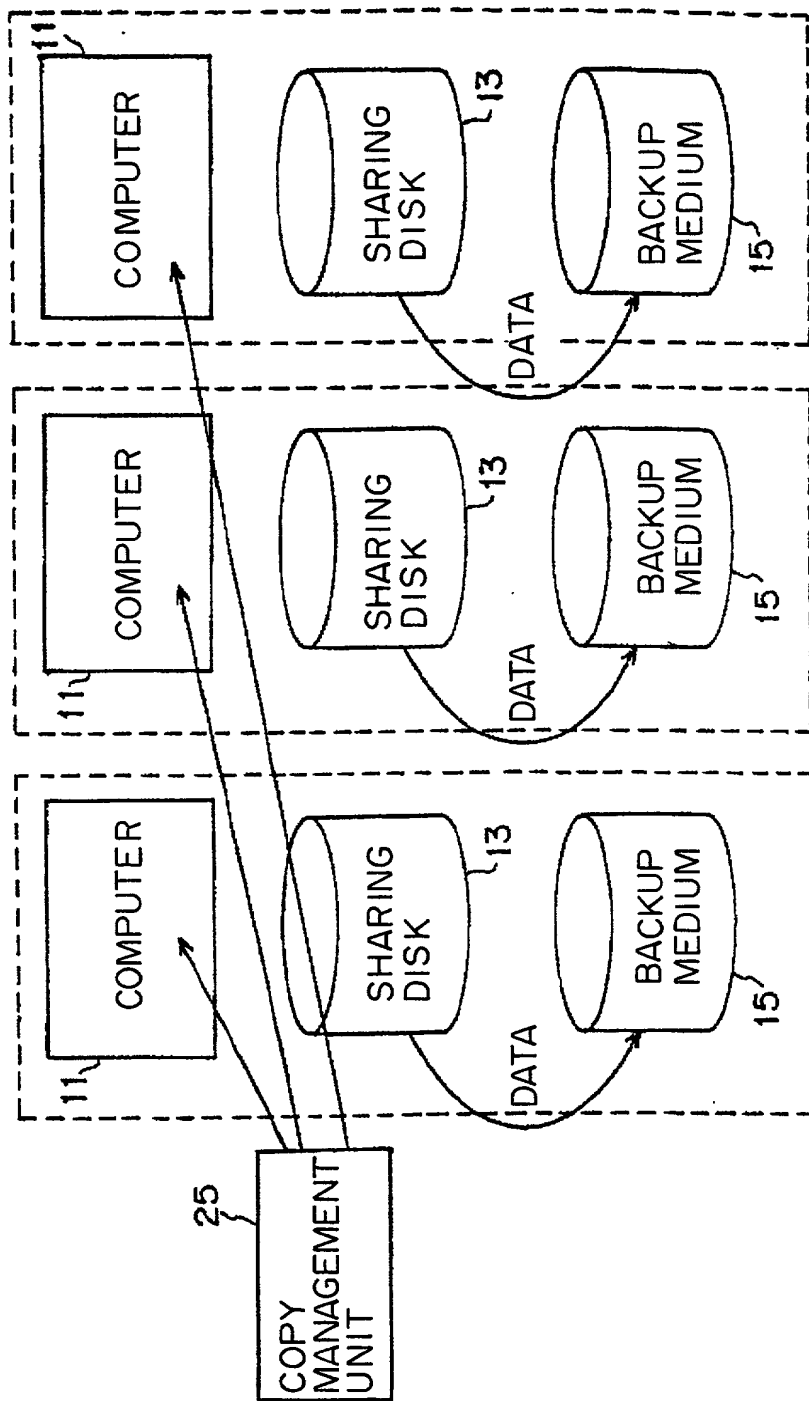


FIG. 27

Patented 2/24/2004

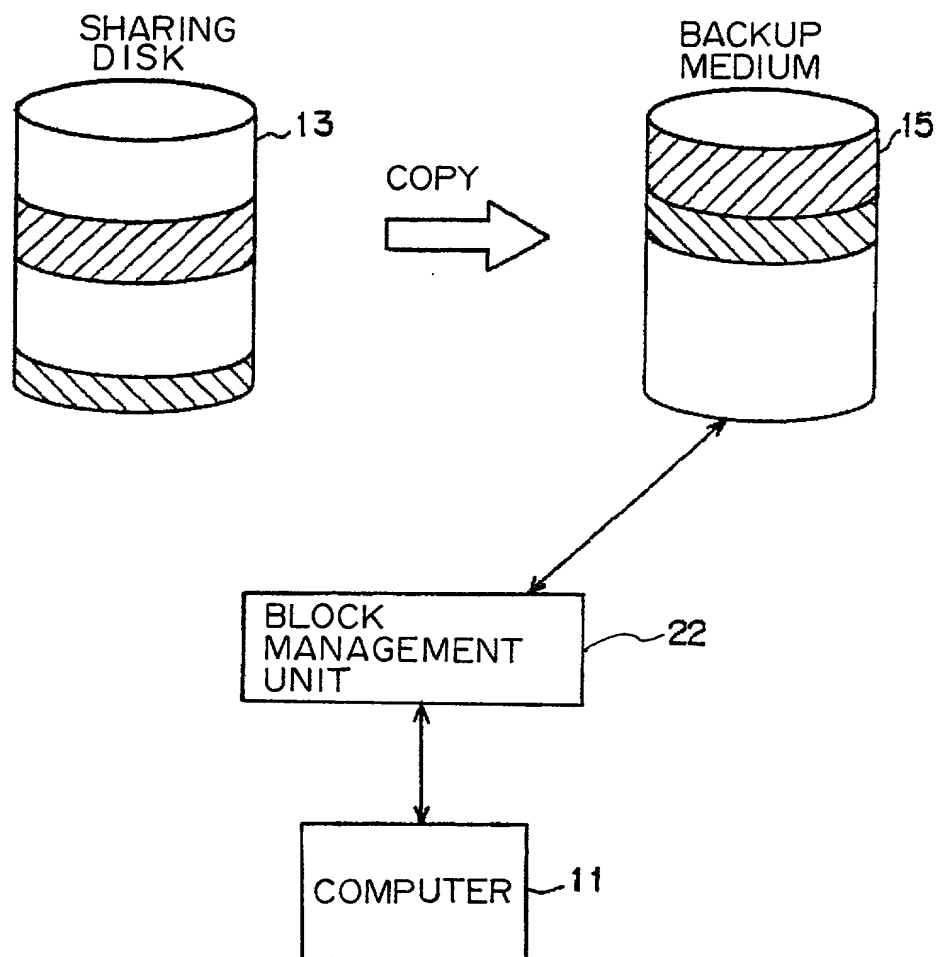


FIG. 28

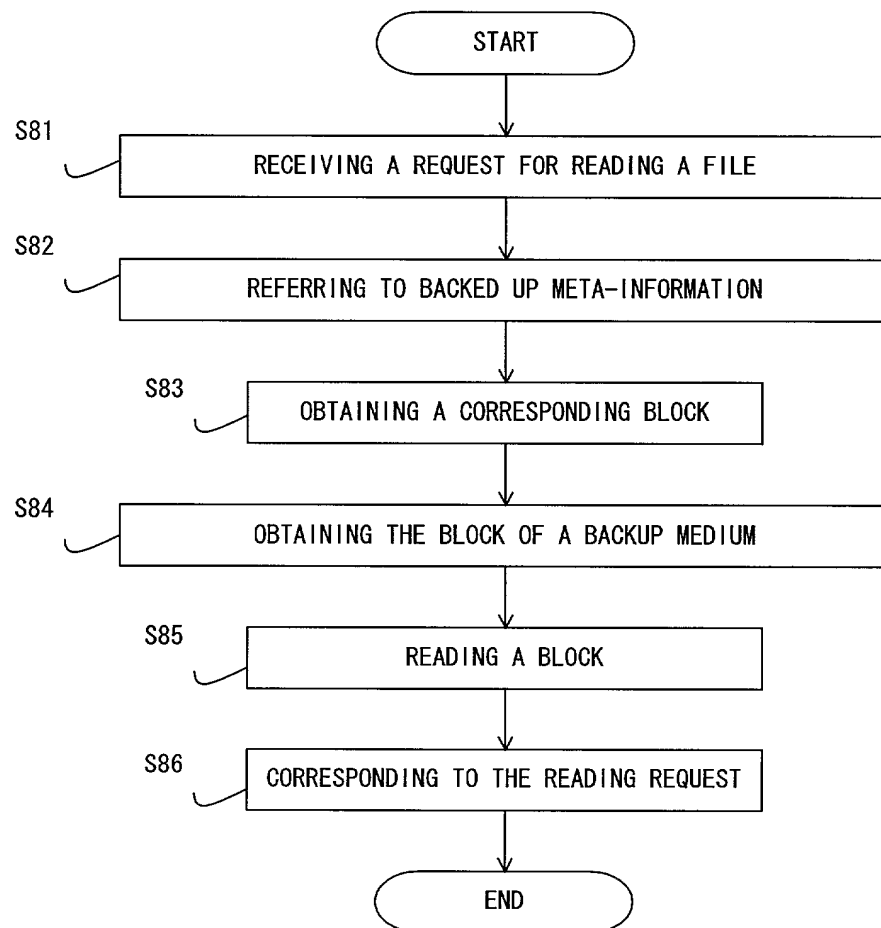


FIG. 29

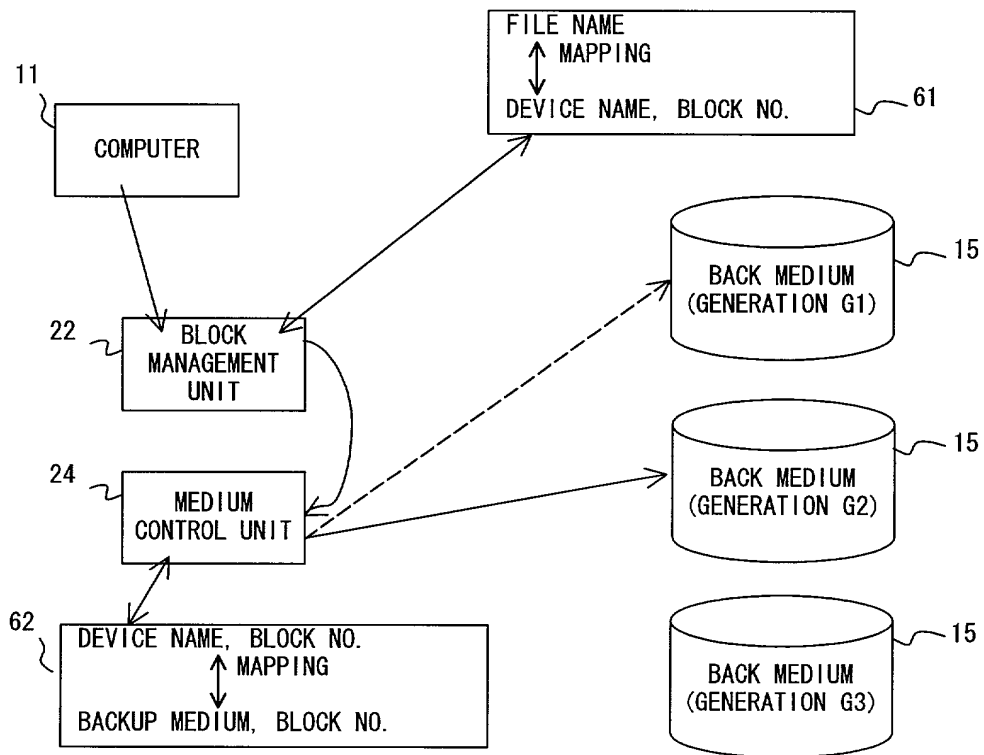


FIG. 30

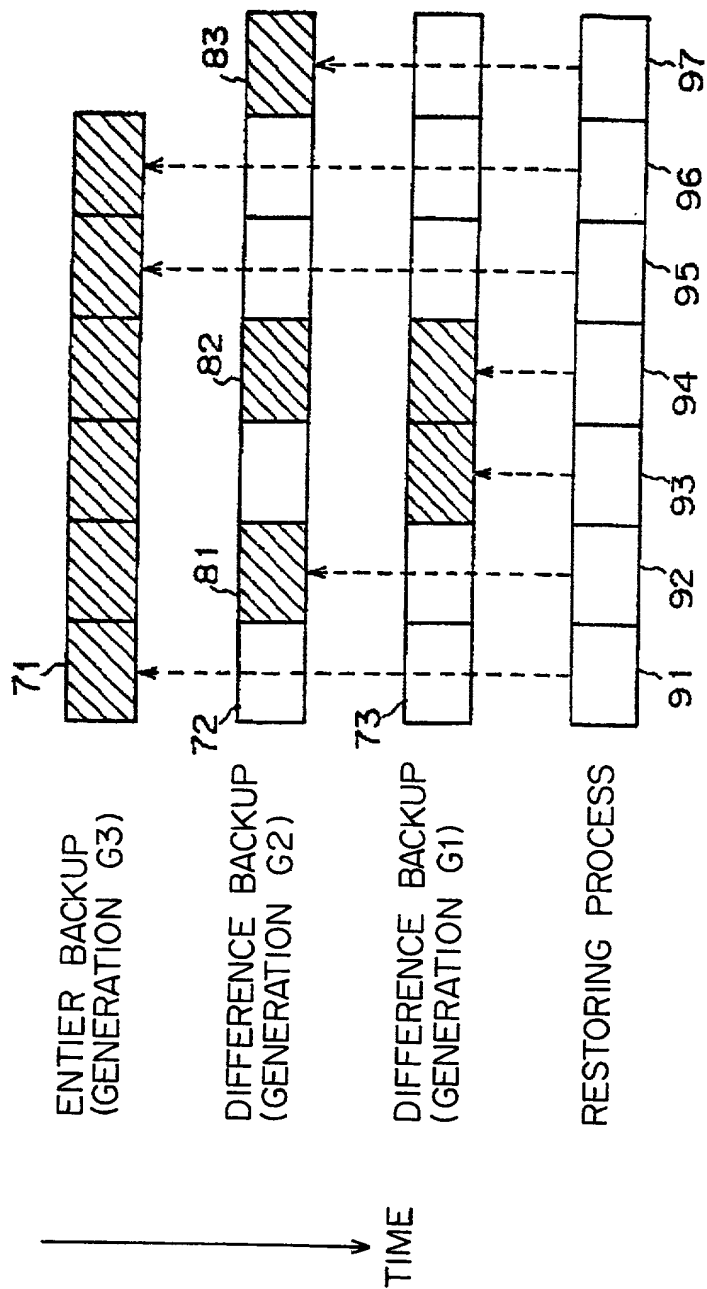
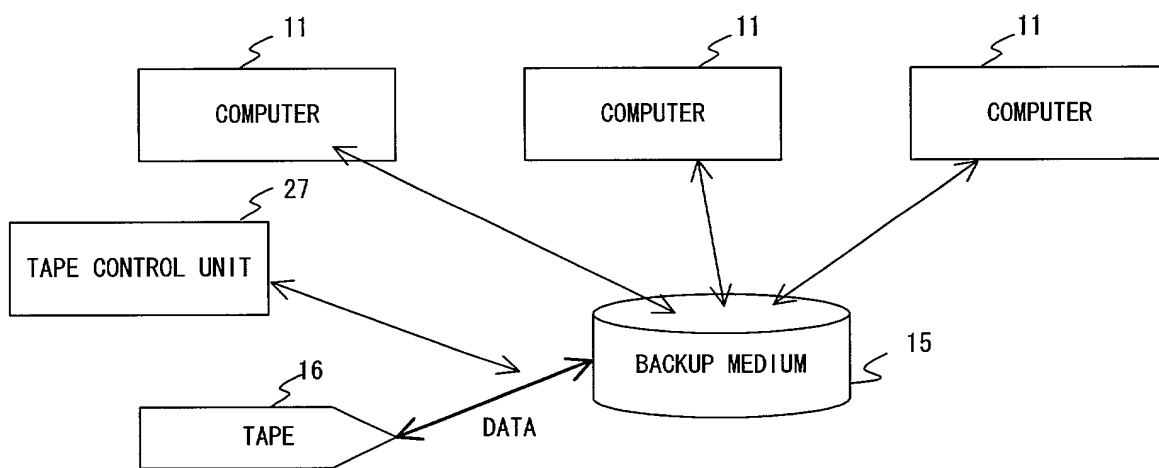


FIG. 31



F I G. 3 2

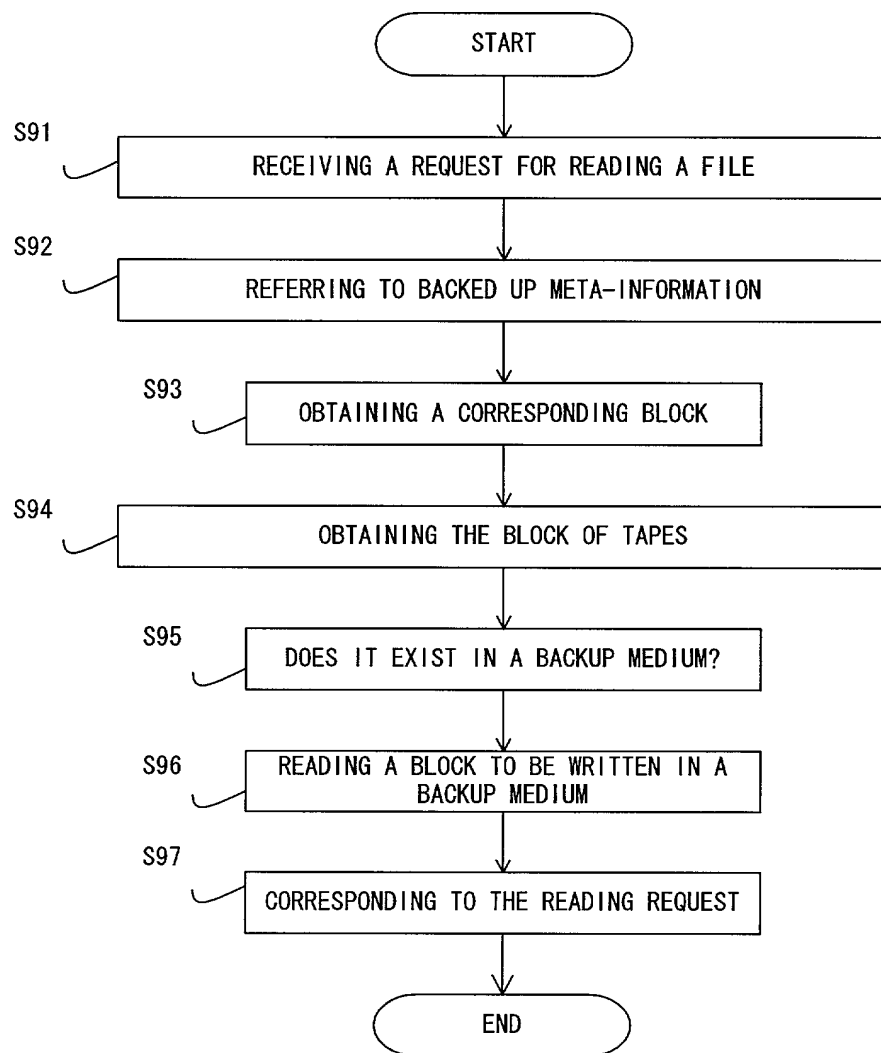
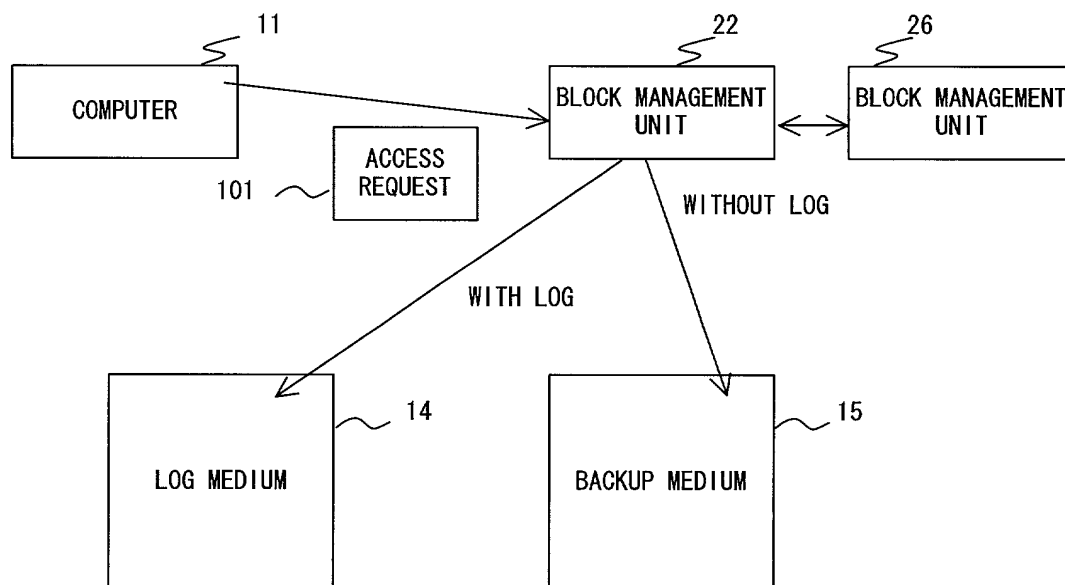


FIG. 33



F I G. 3 4

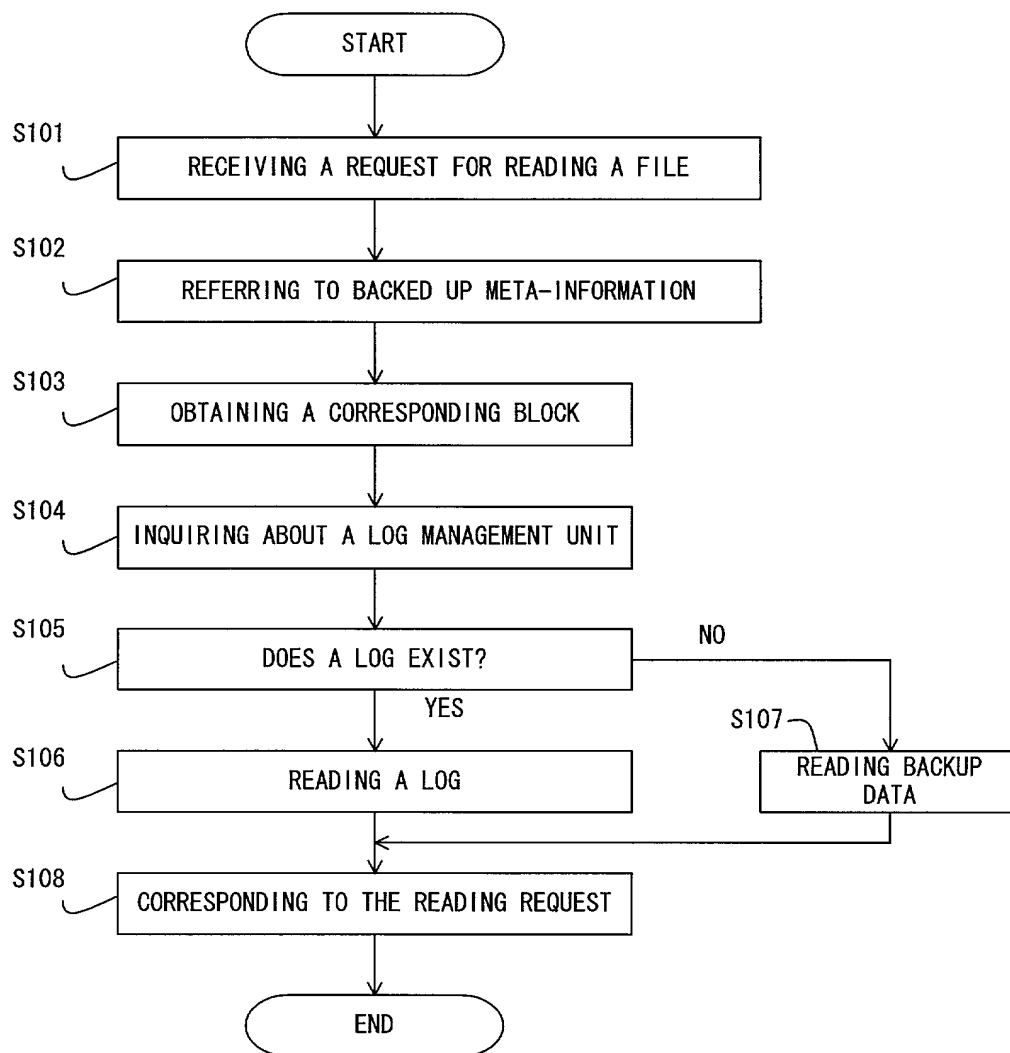


FIG. 35

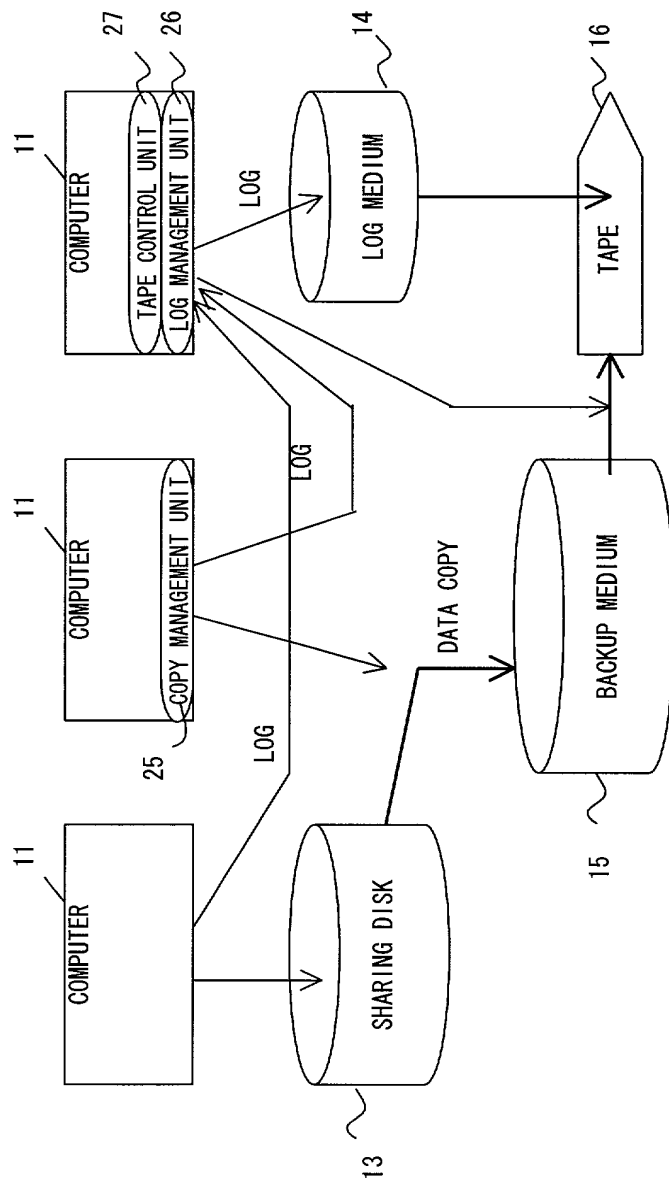


FIG. 36

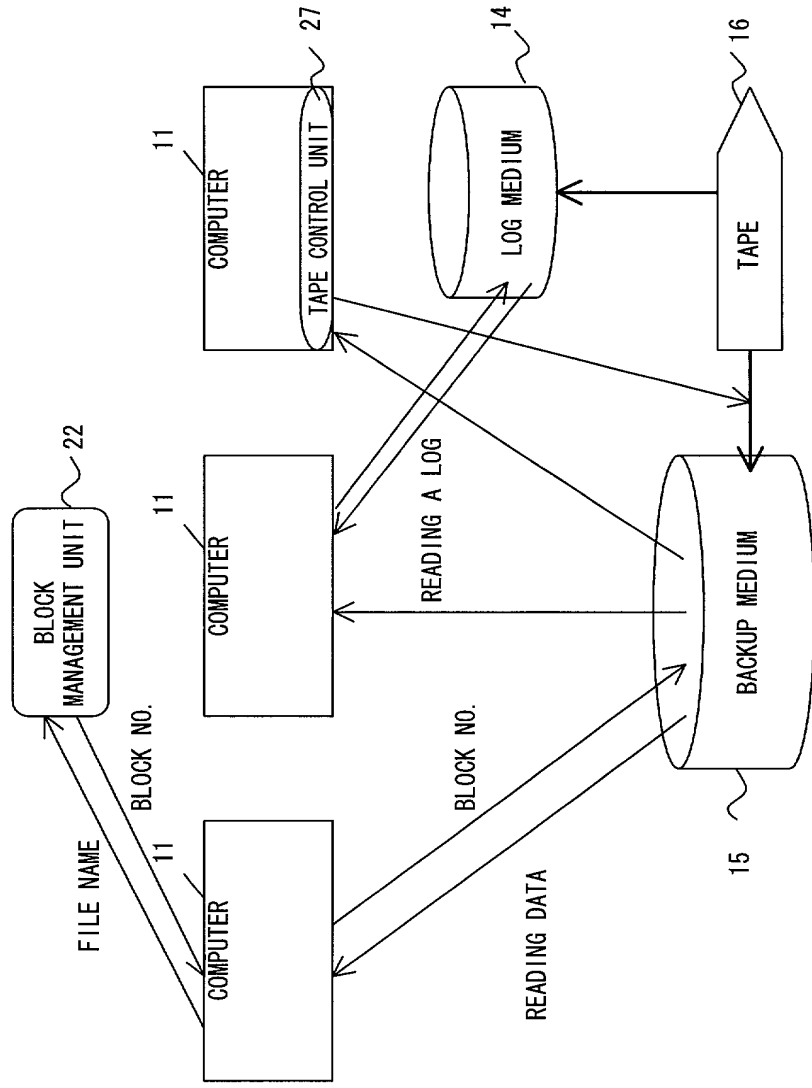


FIG. 37

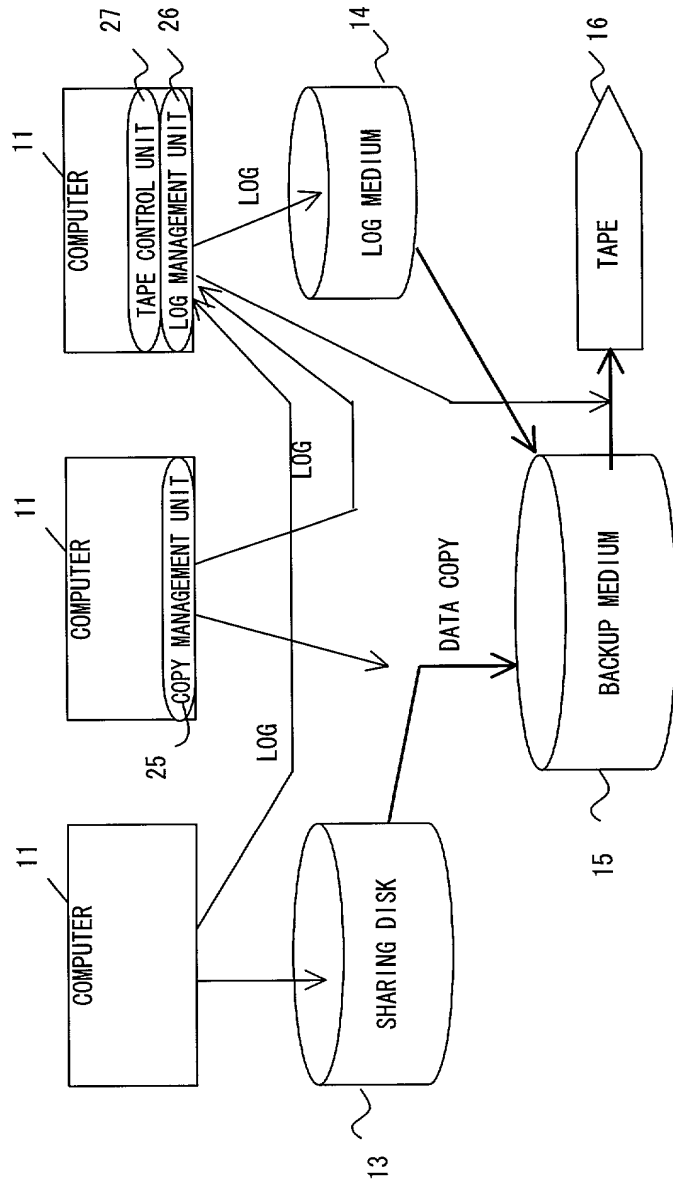


FIG. 38

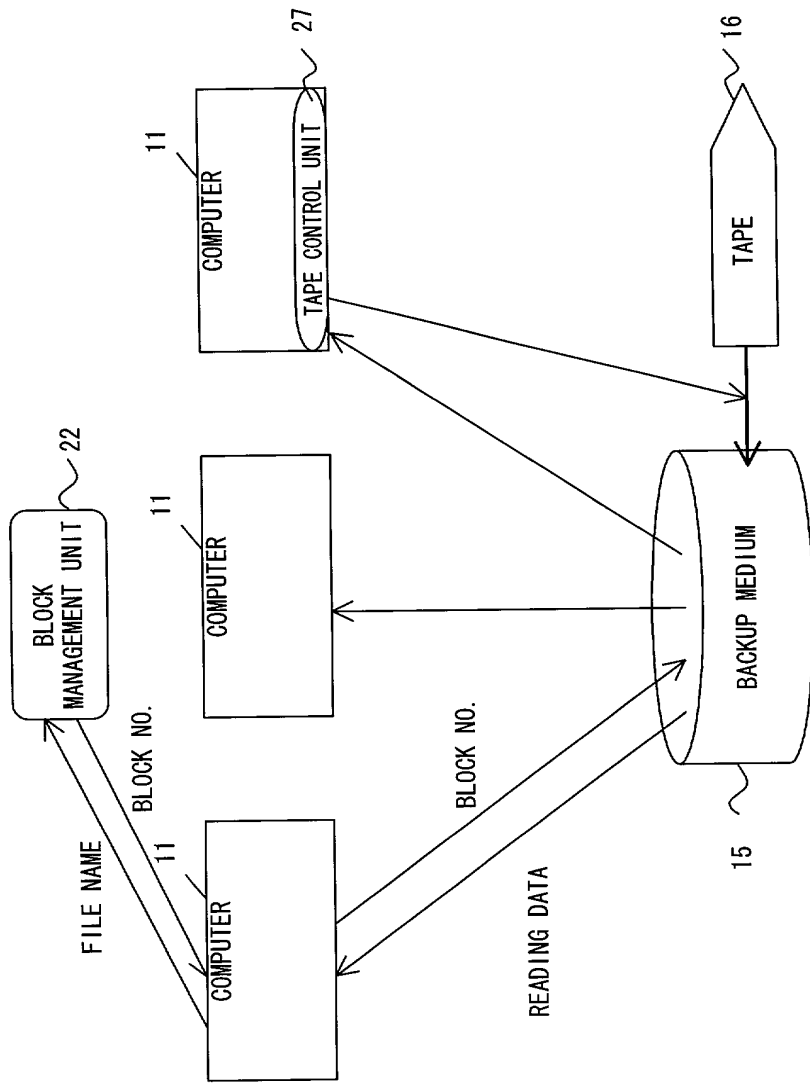


FIG. 39

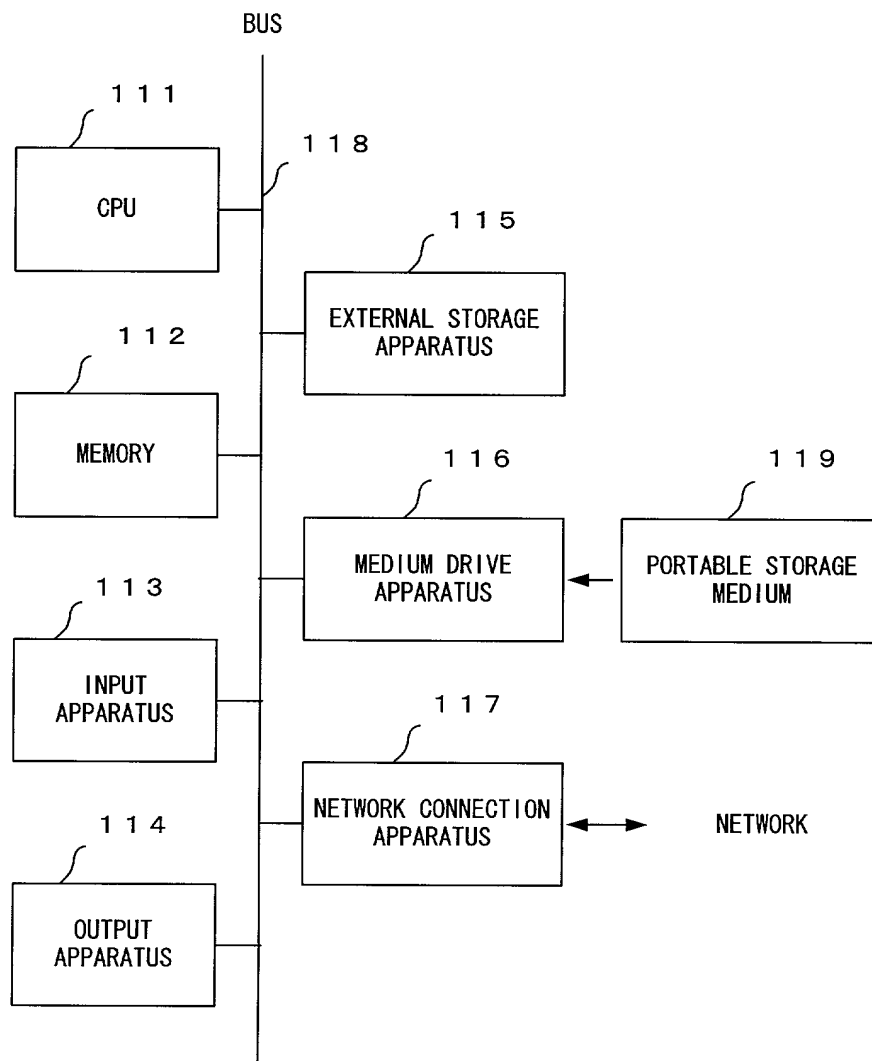


FIG. 40

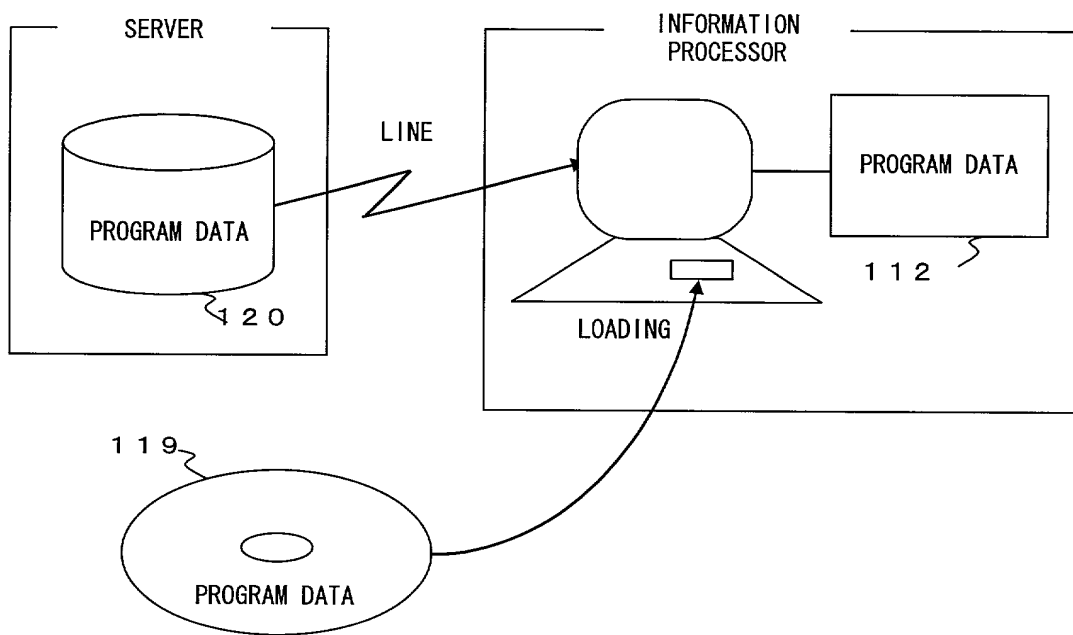


FIG. 41